

WHAT IS CLAIMED IS:

1. A developer supply container detachably mountable to an image forming apparatus, comprising:
  - a container body for containing developer,
  - 5 a discharge opening, disposed at a peripheral surface of said container body, for permitting discharge of the developer therefrom,
  - feeding means for feeding the developer toward said discharge opening by rotation of said 10 container body, and
  - detection means for detecting an amount of the developer remaining in said container body,
  - wherein said detection means has a detection area which at least partially overlaps said discharge 15 opening as seen in a direction perpendicular to a longitudinal direction of said developer supply container.
2. A container according to Claim 1, wherein 20 said developer supply container further comprises a pair of guide means disposed at an inner surface of said container body so that they are closer to each other as the developer is guided toward said discharge opening, and the detection area of said detection 25 means is disposed in an area in which the developer is collected by said pair of guide means.

3. A container according to Claim 1, wherein one of said pair of guide means is disposed so as to guide developer located between said discharge opening and one end of said developer supply container in a 5 longitudinal direction of said developer supply container toward said discharge opening, and the other guide means is disposed so as to guide developer located between said discharge opening and the other end of said developer supply container in the 10 longitudinal direction toward said discharge opening.

4. A container according to Claim 1, wherein said detection means comprises a light transmission member for guiding light from a light emitting element 15 provided to the image forming apparatus to said detection area and guiding the light from said detection area to the light emitting element provided to the image forming apparatus.

20 5. A developer supply container detachably mountable to an image forming apparatus, comprising:  
a container body for containing developer,  
a discharge opening, disposed at a peripheral 25 surface of said container body, for permitting discharge of the developer therefrom,  
a pair of guide means disposed, at an inner surface of said container body, for guiding developer

by rotation of said container body, so that they are close to each other toward downstream with respect to movement of the developer, and

5                   detection means for detecting an amount of the developer remaining in said container body,

                  wherein said detection means has a detection area disposed close to an area in which the developer is collected by said pair of guide means.

10                6. A container according to Claim 5, wherein said developer supply container further comprises a pair of guide means is disposed close to said discharge opening.

15                7. A container according to Claim 6, wherein one of said pair of guide means is disposed so as to guide developer located between said discharge opening and one end of said developer supply container in a longitudinal direction of said developer supply 20 container toward said discharge opening, and the other guide means is disposed so as to guide developer located between said discharge opening and the other end of said developer supply container in the longitudinal direction toward said discharge opening.

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                  8. A container according to Claim 5, wherein said detection means comprises a light transmission

member for guiding light from a light emitting element provided to the image forming apparatus into said container body and guiding the light from said container body to the light emitting element provided 5 to the image forming apparatus.

9. A developer supply container which is detachably mountable to an image forming apparatus including a developer receiving container provided 10 with a developer receiving opening and a rotation member and is held by the rotation member together with the developer receiving container to permit revolution, comprising:

15 a container body,  
a developer discharge opening disposed at a peripheral surface of said container body, for permitting discharge of developer therefrom,

20 feeding means for feeding the developer in the container body toward said developer discharge opening communicating with the developer receiving opening by revolution, and

detection means for detecting a remaining amount of the developer in the container body when said developer discharge opening is directed upward,

25 wherein said detection means has a detection area disposed close to a position opposite to said developer discharge opening.

10. A container according to Claim 1, wherein the detection area of said detection means partially overlaps said discharge opening as seen in a direction 5 perpendicular to a longitudinal direction of said developer supply container.

11. A container according to Claim 9, wherein said detection means comprises a light transmission 10 member for guiding light from a light emitting element provided to the image forming apparatus into said container body and guiding the light from said container body to the light emitting element provided to the image forming apparatus.

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12. A developer supply container which is detachably mountable to an image forming apparatus including a developer receiving container provided with a developer receiving opening and a rotation 20 member and is held by the rotation member together with the developer receiving container to permit revolution, comprising:

a container body,  
a developer discharge opening disposed at a 25 peripheral surface of said container body, for permitting discharge of developer therefrom,  
feeding means for feeding the developer in

the container body toward said developer discharge opening communicating with the developer receiving opening by revolution, and

5                   detection means for detecting a remaining amount of the developer in the container body when said developer discharge opening is directed upward, wherein said detection means has a detection area disposed close to a position where the developer enters from said developer receiving container.

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13. A container according to Claim 12, wherein the detection area of said detection means partially overlaps said discharge opening as seen in a direction perpendicular to a longitudinal direction of said 15 developer supply container.

14. A container according to Claim 12, wherein said detection means comprises a light transmission member for guiding light from a light emitting element provided to the image forming apparatus into said container body and guiding the light from said container body to the light emitting element provided to the image forming apparatus.

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15. A developer supply container detachably mountable to an image forming apparatus, comprising:  
a container body for containing developer,

a discharge opening, disposed at a peripheral surface of said container body, for permitting discharge of the developer therefrom,

5 feeding means for feeding the developer toward said discharge opening by rotation of said container body, and

detection means for optically detecting an amount of the developer remaining in said container body,

10 wherein the developer in the container body contains 5 - 30 wt. % of a carrier.

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